

# Herbicide Programs for Conventional Corn

## Brooklyn, WI 2024

### Trial Information

Trial Sponsor: Bayer, UPL, Wisconsin Cropping Systems Weed Science

Objective: Evaluate various corn herbicide programs for season long weed control in conventional corn

Crop: Corn

Hybrid: O'Brien Hybrids OB1105

Weed species (pressure): waterhemp (moderate-high)  
fall panicum (moderate)

Herbicide Application(s): PRE – 5/23  
EPOST – 6/10 (V2 corn)  
POST – 6/24 (V5/V6 corn)

For the full report see trial #24-BRO-CN11 in the [2024 Wisconsin Weed Science Research Report](#)



**Cropping Systems Weed Science**  
UNIVERSITY OF WISCONSIN-MADISON

# Herbicide Programs for Conventional Corn (Brooklyn, WI 2024)

Trt #	Herbicide (rate acre <sup>-1</sup> )	Injury <sup>c</sup> (%)		Waterhemp %				Fall Panicum %			Yield <sup>b</sup> bu acre <sup>-1</sup>
		6/13	6/24	6/13	6/24	7/8	10/22	6/24	7/8	10/22	
1	Untreated Check	0.0	0.0	0	0	0	0	0	0	0	74 b
<b>One-Pass – PRE (5/23)</b>											
12	Intrava DX (21 oz) + Callisto (5 oz) + Dual II Magnum (1.5 pt)	4.5	0.0	99	93	85	87	100	98	99	163 a
<b>One-Pass – EPOST (6/10)</b>											
13	Harness MAX (2 qt) + Status (5 oz) + Accent Q (0.9 oz) + NIS (0.25%) + AMS (2 lb)	4.8	0.0	66	99	98	100	95	99	98	164 a
<b>Two-Pass – PRE (5/23) <i>fb</i> POST (6/24)</b>											
2	Harness Max (2 qt) <b><i>fb</i></b> Diflexx Duo (28 oz) + COC (1% v/v) + AMS (2 lb)	0.5	0.0	100	86	94	99	93	96	84	160 a
3	TriVolt (20 oz) <b><i>fb</i></b> Laudis (3 oz) + DiFlexx (8 oz) + Destiny HC (0.5% v/v) + AMS (2 lb)	2.3	0.0	99	88	96	98	100	98	100	161 a
4	Verdict (10 oz) + Callisto (3 oz) <b><i>fb</i></b> Armezon (1 oz) + Status (5 oz) + MSO (1% v/v) + AMS (2 lb)	1.0	0.0	91	78	89	94	93	98	97	162 a
5	Dual II Magnum (1.67 pt) + Princep 4L (1 qt) <b><i>fb</i></b> Laudis (3 oz) + Destiny HC (0.5% v/v) + AMS (2 lb)	0.8	0.0	97	79	88	84	98	99	93	166 a
6	Surpass NXT (2 pt) <b><i>fb</i></b> Kyro (45 oz) + Accent Q (0.9 oz) + COC (1% v/v) + AMS (2 lb)	0.0	0.0	98	83	91	90	88	97	100	165 a
7	Storen (1.2 qt) + Princep 4L (1 qt) <b><i>fb</i></b> Storen (1.2 qt) + Accent Q (0.9 oz) + NIS (0.25% v/v) + AMS (2 lb)	0.3	0.0	100	89	92	93	97	99	100	162 a
8	Maverick (24 oz) <b><i>fb</i></b> Accent Q (0.9 oz) + Status (5 oz) + COC (1% v/v) + AMS (2 lb)	0.0	0.0	100	94	97	99	96	99	97	164 a
9	Intrava DX (21 oz) + Moccasin II Plus (1.33 pt) <b><i>fb</i></b> Coyote (2 qt) + Accent Q (0.9 oz) + NIS (0.25% v/v) + AMS (3 lb)	5.0	0.0	99	84	86	90	98	98	100	184 a
10	Intrava DX (16 oz) + Motif (3.5 oz) <b><i>fb</i></b> Coyote (1.6 qt) + Accent Q (0.9 oz) + NIS (0.25% v/v) + AMS (3 lb)	1.8	0.0	92	76	81	86	79	98	100	173 a
11	Intrava DX (16 oz) + Coyote (1 qt) <b><i>fb</i></b> Coyote (1.4 qt) + Accent Q (0.9 oz) + NIS (0.25% v/v) + AMS (3 lb)	1.8	0.0	97	80	82	84	97	98	100	164 a
		LSD ( $\alpha=0.10$ )	1.0	-	5	7	5	6	6	ns	29
		p value	<.001	-	<.001	<.001	<.001	<.001	<.001	0.509	<0.001

<sup>a</sup>Visual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

<sup>b</sup>Yield values with the same letter are not significantly different.

<sup>c</sup>Crop injury: Trts 3, 9-12 = leaf chlorosis; Trt 13 = leaf necrosis

# Herbicide Programs for Conventional Corn

## Brooklyn, WI 2024

Plot pictures taken on 6/13

21 days after the PRE application  
3 days after the EPOST application

The number in the upper right-hand corner is the average % waterhemp control of 4 replications

**21 days after PRE (6/13)**

**Untreated Check**

**0%**



3 days after EPOST (6/13)

66%

EPOST: 2 qt Harness MAX + 5 oz Status + 0.9 oz Accent Q + NIS + AMS



21 days after PRE (6/13)

PRE: 2 qt Harness MAX

100%



21 days after PRE (6/13)

PRE: 20 oz TriVolt

99%



**21 days after PRE (6/13)**  
**PRE: 10 oz Verdict + 3 oz Callisto**

**91%**



21 days after PRE (6/13)

97%

PRE: 1.67 pt Dual II Magnum + 1 qt Princep 4L



**21 days after PRE (6/13)**

**PRE: 2 pt Surpass NXT**

**98%**



**21 days after PRE (6/13)  
PRE: 1.2 Storen + 1 qt Princep 4L**

**100%**



**21 days after PRE (6/13)**

**PRE: 24 oz Maverick**

**100%**



21 days after PRE (6/13)

99%

PRE: 21 oz Intrava DX + 1.33 pt Moccasin II Plus



21 days after PRE (6/13)

92%

PRE: 16 oz Intrava DX + 3.5 oz Motif



**21 days after PRE (6/13)**

**PRE: 16 oz Intrava DX + 1 qt Coyote**

**97%**



21 days after PRE (6/13)

99%

PRE: 21 oz Intrava DX + 5 oz Callisto + 1.5 pt Dual II Magnum



# Herbicide Programs for Conventional Corn

## Brooklyn, WI 2024

Plot pictures taken on 6/24

32 days after the PRE application

14 days after the EPOST application

The day of the POST application

The number in the upper right-hand corner is the average % waterhemp control of 4 replications

**32 days after PRE (6/24)**

**Untreated Check**

**0%**



14 days after EPOST (6/24)

99%

EPOST: 2 qt Harness MAX + 5 oz Status + 0.9 oz Accent Q + NIS + AMS



**32 days after PRE (6/24)  
PRE: 2 qt Harness MAX**

**86%**



32 days after PRE (6/24)  
PRE: 20 oz TriVolt

88%



**32 days after PRE (6/24)  
PRE: 10 oz Verdict + 3 oz Callisto**

**78%**



32 days after PRE (6/24)

79%

PRE: 1.67 pt Dual II Magnum + 1 qt Princep 4L



32 days after PRE (6/24)

PRE: 2 pt Surpass NXT

83%



32 days after PRE (6/24)

PRE: 1.2 Storen + 1 qt Princep 4L

89%



**32 days after PRE (6/24)  
PRE: 24 oz Maverick**

**94%**



32 days after PRE (6/24)

PRE: 21 oz Intrava DX + 1.33 pt Moccasin II Plus

84%



32 days after PRE (6/24)

PRE: 16 oz Intrava DX + 3.5 oz Motif

76%



32 days after PRE (6/24)

PRE: 16 oz Intrava DX + 1 qt Coyote

80%



32 days after PRE (6/24)

PRE: 21 oz Intrava DX + 5 oz Callisto + 1.5 pt Dual II Magnum

93%



# Herbicide Programs for Conventional Corn

## Brooklyn, WI 2024

Plot pictures taken on 7/22

60 days after the PRE application

42 days after the EPOST application

28 days after the POST application

The number in the upper right-hand corner is the average % waterhemp control of 4 replications

60 days after PRE (7/22)

Untreated Check

0%



60 days after PRE (7/22)

PRE: 21 oz Intrava DX + 5 oz Callisto + 1.5 pt Dual II Magnum

85%



42 days after EPOST (7/22)

97%

EPOST: 2 qt Harness MAX + 5 oz Status + 0.9 oz Accent Q + NIS + AMS



28 days after POST (7/22)

PRE: 2 qt Harness MAX *fb*

POST: 28 oz DiFlexx Duo + COC + AMS

92%



28 days after POST (7/22)

PRE: 20 oz TriVolt *fb*

POST: 3 oz Laudis + 8 oz DiFlexx + Destiny HC + AMS

95%



28 days after POST (7/22)

PRE: 10 oz Verdict + 3 oz Callisto *fb*

POST: 1 oz Armezon + 5 oz Status + MSO + AMS

90%



28 days after POST (7/22)

PRE: 1.67 pt Dual II Magnum + 1 qt Princep 4L fb

POST: 3 oz Laudis + Destiny HC + AMS

83%



28 days after POST (7/22)

PRE: 2 pt Surpass NXT *fb*

POST: 45 oz Kyro + 0.9 oz Accent Q + COC + AMS

86%



28 days after POST (7/22)

PRE: 1.2 Storen + 1 qt Princep 4L fb

POST: 1.2 qt Storen + 0.9 oz Accent Q + NIS + AMS

90%



28 days after POST (7/22)

PRE: 24 oz Maverick *fb*

POST: 0.9 oz Accent Q + 5 oz Status + COC + AMS

96%



28 days after POST (7/22)

PRE: 21 oz Intrava DX + 1.33 pt Moccasin II Plus *fb*

POST: 2 qt Coyote + 0.9 oz Accent Q + NIS + AMS

82%



28 days after POST (7/22)

PRE: 16 oz Intrava DX + 3.5 oz Motif fb

POST: 1.6 qt Coyote + 0.9 oz Accent Q + NIS + AMS

77%



28 days after POST (7/22)

PRE: 16 oz Intrava DX + 1 qt Coyote *fb*

POST: 1.4 qt Coyote + 0.9 oz Accent Q + NIS + AMS

84%

